

Abstract of the Disclosure

The present invention relates to a programmable scaffold, which is a three-dimensional scaffold having interconnected pores and biologically active molecules physically entrapped therein. The scaffold is a lyophilized hydrogel of a polymer. The scaffold can be used in an array on a platform and loaded with various combinations of biologically active molecules for high throughput and parallel screening, as well as tissue engineering. The present invention also relates to methods for making and modifying the scaffolds.